

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/08748

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04J14/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/186430 A1 (HALGREN ROSS ET AL) 12 December 2002 (2002-12-12) paragraph '0001! paragraph '0005! - paragraph '0017! paragraph '0026! - paragraph '0035!	1-10, 13, 16, 21
A	paragraph '0041! - paragraph '0042!	14, 15
Y	US 5 898 801 A (WHITTAKER G ALLAN ET AL) 27 April 1999 (1999-04-27) column 1, line 50 - line 53 column 4, line 28 - line 56 column 7, line 27 - column 8, line 10 — -/-	1-10, 13, 16, 21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 33746 A (XROS INC) 10 May 2001 (2001-05-10) page 19, line 8 - line 23 page 24, line 4 -page 25, line 9 page 26, line 5 -page 29, line 24	1-21
A	EP 1 206 142 A (REDFERN BROADBAND NETWORKS PTY ;REDFERN BROADBAND NETWORKS INC (US) 15 May 2002 (2002-05-15) paragraph '0001! paragraph '0005! - paragraph '0019! paragraph '0022! - paragraph '0030!	1-19,21
A	EP 0 667 690 A (IBM) 16 August 1995 (1995-08-16) column 9, line 14 - line 35	1,11,12
A	EP 1 028 554 A (NIPPON ELECTRIC CO) 16 August 2000 (2000-08-16) paragraph '0001! paragraph '0008! - paragraph '0010!	20

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Information on patent family members

International Application No

PCT/EP 03/08748

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002186430	A1	12-12-2002	WO 02101963 A1 EP 1267587 A2	19-12-2002 18-12-2002
US 5898801	A	27-04-1999	NONE	
WO 0133746	A	10-05-2001	US 6650803 B1 AU 1360601 A AU 3071901 A AU 3262201 A AU 3634301 A AU 3641001 A AU 4302201 A CA 2389527 A1 CA 2389589 A1 CA 2389721 A1 CA 2389735 A1 CA 2389758 A1 CA 2389948 A1 EP 1228660 A1 EP 1228588 A2 EP 1226738 A2 EP 1228661 A2 EP 1228662 A2 EP 1228592 A2 WO 0133895 A2 WO 0133746 A2 WO 0133896 A1 WO 0133897 A2 WO 0133898 A2 WO 0139413 A2 US 2004037553 A1 US 6597826 B1 US 6571030 B1	18-11-2003 14-05-2001 14-05-2001 14-05-2001 14-05-2001 14-05-2001 04-06-2001 10-05-2001 31-05-2001 10-05-2001 10-05-2001 10-05-2001 10-05-2001 10-05-2001 07-08-2002 07-08-2002 31-07-2002 07-08-2002 07-08-2002 07-08-2002 10-05-2001 10-05-2001 10-05-2001 10-05-2001 10-05-2001 31-05-2001 26-02-2004 22-07-2003 27-05-2003
EP 1206142	A	15-05-2002	WO 0239632 A1 AU 1198902 A CN 1475059 T EP 1206142 A1	16-05-2002 21-05-2002 11-02-2004 15-05-2002
EP 0667690	A	16-08-1995	US 5487120 A EP 0667690 A2 JP 7240738 A US 5825949 A	23-01-1996 16-08-1995 12-09-1995 20-10-1998
EP 1028554	A	16-08-2000	JP 2000232412 A CN 1263391 A EP 1028554 A2	22-08-2000 16-08-2000 16-08-2000